

### ABSTRACT

A system comprises a storage controller for managing transfers of data between a host and storage memory; a data mover coupled to the storage controller handling data transferred between a host and storage memory; and a buffer coupled to the data mover for storing data being transferred. The storage controller modifies operation of the storage system based on status of the data transfer. An associate method comprises transferring data between a host and storage memory via a storage system, and dynamically adjusting operation of the storage system depending on status of the data transfer.